Ministry of Northern Development and Mines

Ontario

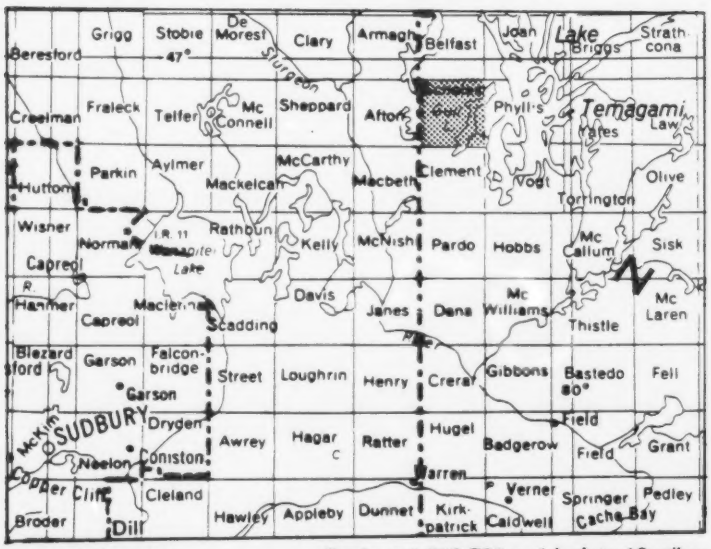
Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

GEOLOGICAL DATA INVENTORY FOLIO 459

SCHOLES TOWNSHIP

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP **Scale: 1:1 013 760 or 1 inch to 16 miles**

CANADA ONTARIO Mineral Development Exploitation Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

90-01089/

NTS Number 41 I/16

Mining Claim Map Number G.2834

This project is part of the Canada-Ontario Mineral Development Agreement (COMDA)

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1989: Scholes Township, Ontario Geological Survey, Data Inventory Folio 459, compiled by the staff of the Resident Geologist's Office, Sudbury; 29 pages and 2 Maps.

Original Compilation by: Jerome, Lucille, March, 1988

Date	Page Revised	Revised by

Date	Page Revised	Revised by

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ACCOMPANYING MAPS

Property Location Map 1
Exploration Data Map 1
Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	Yes	L.J.
10	GSC Index to Publications	Yes	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.)	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	Yes	L.J.
16	ODM Geological Circulars: OGS Study Series	No	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	Yes	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	No	L.J.
23	Aerial Photographs on File, Sudbury	No	L.J.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . .Cadmium
△ calc. . . . . .Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
▲ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . .Cobalt
△ cob. . . . . .Cobaltite
△ cb. . . . . .Columbite
▲ Cu . . . . . .Copper
△ cor . . . . . .Corundum
△ dol . . . . . .Dolomite
△ ep. . . . . .Epidote
△ ery . . . . . .Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)

△ fu. . . . . .Fuchsite
▲ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . .Gold
△ gf. . . . . .Graphite
△ gl . . . . . .Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . .Hematite
△ il . . . . . .Ilmenite
▲ Fe . . . . . .Iron
▲ IF. . . . . .Iron Formation
△ jas . . . . . .Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . .Kyanite
△ Pb . . . . . .Lead
△ lim . . . . . .Limonite
△ Li. . . . . .Lithium
△ mgst . . . . . .Magnesite
▲ mag . . . . . .Magnetite
△ mc . . . . . .Malachite
△ Mn . . . . . .Manganese
△ mb . . . . . .Marble
△ mar. . . . . .Marcasite
△ ma . . . . . .Marl
△ mi . . . . . .Mica
△ ml . . . . . .Millerite
△ mo . . . . . .Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . .Monazite
△ ne. . . . . .Nephelite (nepheline)
△ nc. . . . . .Niccolite

△ Ni. . . . . .Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . .Pyrochlore
△ pyrl . . . . . .Pyrolusite
▲ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
△ qcv. . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . .Sand
△ sgl . . . . . .Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . .Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . .Serpentine
△ sh. . . . . .Shale
△ sid . . . . . .Siderite
△ si . . . . . .Silica
△ Ag . . . . . .Silver
△ sl . . . . . .Slate
△ sm . . . . . .Smaltite
△ sod. . . . . .Sodalite
△ spec . . . . . .Specularite
▲ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . .Stibnite

△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . .Tellurium
△ td. . . . . .Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . .Thucholite
△ ti . . . . . .Titanite
△ Ti. . . . . .Titanium
△ tour . . . . . .Tourmaline
△ trap . . . . . .Trap rock
△ W. . . . . .Tungsten
△ uran . . . . . .Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . .Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . .Zircon
S. . . . . .Sulphide
cv. . . . . .Covellite
▲qv. . . . . .quartz vein

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

SCHOLES TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Cadesky, L. I.	IF	available		GR 170, p. 55
B	Skunk Lake Property (Copperfields Mining Corp. Ltd., Temagami Mining Corp.)	Fe	available	MRC 11, p. 274	GR 170, p. 60, Scholes 0028, GR 28, p. 27
C	Cummings Lake Property (Eagle Rock Iron Mines Ltd.)	Fe	Fe 1	MRC 11, p. 275	GR 170, p. 56
D	Geo-Scientific Prospectors Ltd.	py,po,cp	available		GR 170, p. 62, Scholes 0018
E	Taylor-Caswell Property (Grainger, J. F., Abex Mines Ltd.)	py, qv	Au 2		GR 170, pp. 62-63, Afton 0020-A1
F	Taylor-Caswell Property (Millette, R. A.)	py,po,cp, sp,gn	available		GR 170, p. 63, Afton 0020-A1
G	Greenrod Lake Occurrence (New Athona Mines Ltd.)	py,cp, IF	available	MRC 11, p. 277	Afton 0018-A1 GR 170, p. 63
H	New Athona Mines Ltd.	py	--		GR 170, p. 64, Afton 0018-A1, Afton 0020-A1, Afton 0021-A1
I	Abex Mines Ltd.	py	--		Afton 0020-A1
J	Gull Lake Iron Mines Ltd.	IF	available	MRC 11, p. 277	GR 170, p. 57
K	Homestake Explorations Ltd., Crest Lake	IF	available		GR 170, pp. 57-58

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source - Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
L	Noranda Mines Ltd.	py,po,cp,sp	Cu 10	MRC 12, p. 202 MRC 2, p. 113 MRC 11, p. 276	GR 170, p. 66
M	Eaglerock Lake	py, Au	Au 4	MDC 18, p. 28	AR Vol. 45, pt. 6, p. 45
N	Abex Mines Ltd.	mag, py	--		Scholes 0015-A1
O	Abex Mines Ltd.	float-py	--		Scholes 0015-A1
P	Mining Geophysics Prospect	cp, IF	Cu 8	MRC 12, p. 202 MRC 2, p. 111	--
Q	Scholes Township Showing	Cu	--	--	Map 2361

GDIF FORM NO. 1

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TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Leger Mines Ltd. (Afton 0015-B1)							64												
2	New Athona Mines Ltd. (Afton 0018-A1)	56		56								56								
3	Temex Mines Ltd. (Afton 0018-C1)							56												
4	Abex Mines Ltd. (Scholes 0015-A1)	50										50[1]				50[2]				
5	Abex Mines Ltd. (Scholes 0015-A1)															51				
6	Abex Mines Ltd. (Scholes 0024-A1)											53								
7	Abex Mines Ltd. (Afton 0020-A1)	51																		
7	Abex Mines Ltd. (Afton 0021-A1)	50										50								
8	Abex Mines Ltd. (Scholes 0026-C1)							56												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
9a	Gull Lake Iron Mines Ltd. (Scholes 0026-D1)							59 60												
9a	Gull Lake Iron Mines Ltd. (Scholes 0019-B1)							75				75[3]								
9a	Gull Lake Iron Mines ltd. (Scholes 0021)				76			76												
9a	Gull Lake Iron Mines Ltd. (Scholes 0015-C1)											60								
9b	Prospecting Geophysics (Scholes 0015-B1)											59								
10	Gull Lake Iron Mines Ltd. (Scholes 0010)				59 60															
11	North American Rare Metals Ltd. (Scholes 0024-C1)							56 60					56[1]							
11	North American Rare Metals Ltd. (Belfast 0011-B1)							72												

SCHOLES TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
11a	Eagle Rock Iron Mines Ltd., Tinto Iron Mines Ltd., Rio Tinto Mining Co. of Canada Ltd., North American Rare Metals Ltd.						59 60[4]													
11b	North American Rare Metals Ltd. (Scholes 0016)												56							
11b	North American Rare Metals Ltd. (Belfast 0015-A1)								56											
11c	Rio Tinto Mining Co. of Canada Ltd. (Scholes 0023-A1)	64[5]						64												
12	North American Rare Metals Ltd. (Scholes 0024-C1)							56 60												
12	North American Rare Metals Ltd. (Scholes 0016)	57										57								
12	North American Rare Metals Ltd. (Scholes 0015-A1)								56											
13	North American Rare Metals Ltd. (Scholes 0014-E1)				57															

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
13	North American Rare Metals Ltd. (Scholes 0011)				56 57															
14	Rockshield Syndicate (Scholes 0013-C1)				53															
15	Mining Geophysics Co. Ltd. (Scholes 0013-A1)				56															
16	Mining Geophysics Co. Ltd. (Scholes 0019-A1)																56			
16	Mining Geophysics Co. Ltd. (Scholes 0023-D1)							56												
17	Lenwood Mining and Explorations Ltd. (Scholes 0024-B1)							56												
18	Geo-Scientific Prospectors Ltd. (Scholes 0027)								53			52								
19a	Geo-Scientific Prospectors Ltd. (Scholes 0027)	52														52				
19b	Temagami Mining Co. (Scholes 0014-A1)				56 57															

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SCHOLES TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
20	Geo-Scientific Prospectors Ltd. (Scholes 0012-B1)			58 59	58 59															
21	Geo-Scientific Prospectors Ltd. (Scholes 0018)	58														57	57			
22	Homestake Explorations Ltd. (Scholes 0025-A1)	58 59										59								
22	Homestake Explorations Ltd. (Scholes 0012-A1)				59															
22	Homestake Explorations Ltd. (Scholes 0025-D1)							58 59 60												
23	Noranda Mines Ltd. (Scholes 0020-A1)	56		56								56	56							
24	Temagami Mining Co. (Scholes 0028)											62								
25	Emerald Lake Resources Inc. (Afton 0025)								86	86										
26	Abex Mines Ltd. (Scholes 0014-D1)				51															

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TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
27	Copperfields Mining Corp. (Scholes 0014-C1)				65															
28	Dominion Gulf Co. (Scholes 0017-A1)	52										52								
29	Dominion Gulf Co. (Scholes 0017-A1)	52										52								
30	Golden Sphere Mining Syndicate (Scholes 0023-E1)							36												
31	Gray, J. J. (Scholes 0022)	56				56														
32	Rachel Lake Mines Ltd. (Scholes 0026-A1)							60												
33	Systematic Explorations Ltd. (Scholes 0020-B1)	56																		
34	Cadesky Claims (Scholes 0017-B1)											61								

GDIF FORM NO. 2

SCHOLES TOWNSHIP

TYPE OF WORK	Numbers below represent the year in which the work was done; e.g., 68 for 1968.																	
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY / COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			

[1]No map

[2]Location unknown

[3]No data

[4]Shaft 1,177'

[5]Mine Geology

GDIF FORM NO. 2

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Gull Lake Iron Mines Ltd.	1	1959	--	90	2	218	mag, hem, jas	
2		2	1959	330	35	6	548	py, mag, jas	
3		3	1959	330	45	7	605	hem, ep, cp, py, jas, mag	
4		4	1959	330	45	3	431	ep, mag, jas, cp, calc	
5		5	1960	330	90	10	720	mag	
6		6	1960	310	47	85	1181.5	py, mag, jas, hem	
7		7	1960	330	90	13	1000	ep	
8		8	1960	137	45	8	185		
9	North American Rare Metals Ltd.	1	1956	--	90	6	1082	hem, cp, py, serp, calc	Pt, Cu, Ni, Co, Fe
9		2	1956	150	60	7	1195	hem, serp	
9		3	1957	150	52	12	2501	cp, py, hem, jas	
9		8	1957	--	90	4	1391	serp, ep, mag, jas	
9		14	1957	--	90	10	1117	ep, py	
10		11	1957	--	90	4	1298	ep, py, mag	
10		6	1957	--	90	19	1139	py, mag, jas	
10		7	1957	--	90	18	1756	Cu, jas, ep, py	Fe
10		4	1957	--	90	14	1079	hem, serp, mag,	
10		10	1957	--	90	15	1002	mag, jas, py	
11		12	1957	--	90	16	1200	py	
12		5	1957	330	50	6	1706	py, jas, cp calc, sid, hem, ep, jas, mag, py, po	
13		9	1957	--	90	10	1282	mag, jas, py	
14		13	1957	--	90	4	1319	mag, ep, py	
15		15	1957	--	90	10	1291	mag, jas, py	
16		16	1957	--	90	5	1294	mag, ep, calc, jas, gt	
		17	1957	--	90	12	1007	py, mag, jas	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
17	North American Rare Metals	18	1957	--	90	4	1202	mag, jas, py	
18	Ltd., cont'd	19	1957	--	90	132	1243	jas, mag, ep,py	
19		20	1957	--	90	5	1350	mag, jas	
20		21	1957	--	90	5	1317	py, ep	
21		22	1957	--	90	7	766	--	
22	Rockshield Syndicate	6	1953	?	45	9	204	py, po, cp	
23		7	1953	?	50	4	205	gt, py, po, cp	
23		8	1953	?	55	4	202	gt, cp	
24	Mining Geophysics Co. Ltd.	GM5	1956	?	45	15	564	py, cp, mag	
25		GM6	1956	?	?	3	367	ep, py, mag,jas	
26		GM7	1956	135	45	46	409	py, cp	Au, Cu, Ni, Co
27	Temagami Mining Co.	SK1	1956	--	90	12	202		
27		SK2	1956	?	45	14	375		
27		SK3	1956	?	60	31	360	S, Cu, py, po	
27		SK4	1957	--	90	15	720	mag, cp, py, sp, po, ep	
28	Geo-Scientific Prospectors	1	1958	200	45	0	51	ep, po, py, cp	
28	Ltd.	2	1958	200	55	0	30	po, cp, py	
29		3	1958	180	45	0	30	ep, cp, py, po	
29		4	1958	210	70	0	30	ep, cp, py, po	
30		S1	1959	319	45	4	368	po, py, cp	
30		S2	1959	319	60	2	358	po, py, cp	
30		S3	1959	319	60	5	410	po, py, cp	
31	Homestake Explorations Ltd.	59-1	1959	--	90	27	1061	py, cp, ep	
32		59-2	1959	331	60	15	2011	cp, ep, serp, mag, hem, py	
33	Abex Mines Ltd.	XRS1	1951	330	35	0	126	po, gn, sp, cp	
33		XRS2	1951	330	45	0	70	py, po, cp, gn, sp	
34	Copperfields Mining Corp.	SK16	1965	--	90	55	242	py, cp	
35	Gull Lake Iron Mines Ltd.	76-1	1976	050?	45	58	1157	py, mag, jas, ep	
36		76-2	1976	113	50	58	1394	py, ep, jas, mag	

GDIF FORM NO. 3

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
37	Gull Lake Iron Mines Ltd., cont'd	76-3	1976	310	50	34	1227	py, ep, jas, mag	

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
11	Lundberg Explorations North American Rare Metals Ltd.	Airborne magnetic	?	?	?
18	Geo-Scientific Prospectors Ltd. Geo-Scientific Prospectors Ltd.	Airborne magnetic	?	?	400 ft
25	Terraquest Ltd. Emerald Lake Resources Inc.	Airborne magnetic and electromagnetic	100 m	350°	100 m

GDIF FORM NO. 4

16 SCHOLES TOWNSHIP

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Eagle Rock Iron Mines	
Northern Miner	October 13, 1966
Golden Sphere Mining Syndicate	
Northern Miner	August 25, 1936
	August 29, 1936
	September 3, 1936
	September 24, 1936
	October 15, 1936
Gull Lake Iron Mines	
Northern Miner	October 8, 1959
	May 19, 1960
	December 26, 1968
Mining Geophysics Co.	
Northern Miner	June 7, 1956
North American Rare Metals Inc.	
Northern Miner	May 24, 1956
	October 11, 1956
	December 6, 1956
	February 21, 1957
	February 28, 1957
	March 28, 1957
	June 13, 1957
	August 22, 1957
	September 19, 1957
	December 5, 1957
	February 20, 1958
	March 26, 1959
	April 2, 1959
	June 18, 1959
	August 6, 1959
	September 3, 1959
	October 8, 1959
	October 29, 1959
	April 21, 1960
	July 14, 1960
	October 6, 1960
	November 10, 1960
	November 9, 1961
	October 4, 1962
	February 28, 1963
	September 9, 1965
	October 28, 1965
Rachel Lake Mines	
Northern Miner	September 8, 1960

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Temex Mines Ltd.

Northern Miner — December 16, 1956
February 7, 1957

ODM GENERAL INDEX SEARCH

Words searched:

ABEX MINES LTD.
CADESKY CLAIMS
COPPERFIELDS MINING CORP.
CUMMINGS LAKE
DOMINION GULF CO.
EAGLEROCK LAKE
EMERALD LAKE RESOURCES INC.
GEO-SCIENTIFIC PROSPECTORS LTD.
GOLDEN SPHERE MINING SYNDICATE
GRAINGER, J. F.
GRAY, J. J.
GREENROD LAKE

Index Volume	Listing:	Report Volume	Part	Page
1	Gull Lake, Scholes Tp.	N.O.		83
	Rocks	10		175
3	Afton-Scholes area, Sud.			
	Report on, by E. S. Moore	45	6	38-48
3	Eaglerock Lake, Scholes Tp.			
	Rocks	45	6	40-45
	sketch map facing	45	6	40
3	Taylor-Caswell gold claims, Scholes Tp.			
	Geology and workings	45	6	48
5	Abex Mines Ltd.			
	Incorporated	61	1	46
5	Geo-Scientific Prospectors Ltd.			
	Incorporated	62	1	60
5	New Athona Mines Ltd.			
	Change of name	64	1	60
5	Systematic Explorations Ltd.			
	Incorporated	64	1	60
5	Temagami Mining Co. Ltd.			
	Incorporated	62	1	59
		64	1	58
6	Homestake Explorations Ltd.			
	Licensed	67	1	34
6	Lenwood Mining and Explorations Ltd.			
	Change of name	66	1	37
6	Mining Geophysics Co. Ltd.			
	Incorporated	66	1	33
6	North American Rare Metals Ltd.			
	Capital; officers; operations	69	2	74
	Incorporated	65	1	34
6	Scholes Tp., Nip.			
	Copper claims	65	2	120
		69	2	4
	Iron claims	69	2	74

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

GULL LAKE
GULL LAKE IRON MINES LTD.
HOMESTAKE EXPLORATIONS LTD.
LEGER MINES LTD.
LENWOOD MINING & EXPLORATIONS LTD.
MILLETTE, R. A.
MINING GEOPHYSICS CO. LTD.
NEW ATHONA MINES LTD.
NORANDA MINES LTD.
NORTH AMERICAN RARE METALS LTD.
PROSPECTING GEOPHYSICS
RACHEL LAKE MINES

Index Volume	Listing:	Report Volume	Part	Page
6	Temex Mines Ltd.			
	Incorporated	66	1	34
7	Mining Geophysics Co. Ltd.			
	Mining property, Scholes Tp			
	report on	MRC2		111
7	Noranda Mines Ltd.			
	Eaglerock Lake, Scholes Tp.	MRC2		113
7	North American Rare Metals Ltd.			
	Iron mining (1959)	70		77
7	Scholes Tp., Nip.			
	Copper-nickel claims	70		103
		72		115
		72		112
	Iron mining	70		77
	Mining claims	GR28		27
7	Skunk Lake, Phyllis & Scholes Tps.			
	Iron deposit	GR28		22, 27
7	Tinto Iron Mines Ltd.			
	Capital; officers; operations:			
	(1960)	70		77
8	Cummings Lake Prospect			
	Scholes Tp., Nipissing Dist.	MPBP2		55
		MRC11		275-276
8	Eaglerock Lake Prospect			
	Scholes Tp., Nipissing Dist.	MRC11		276-277
		MRC12		202
8	Greenrod Lake Occurrence			
	Scholes Tp., Nipissing Dist.			
	mining property, report on	MRC 11		277
8	Gull Lake Prospect			
	Scholes Tp., Nipissing Dist.			
	mining property, report on	MRC11		277-278
8	Mining Geophysics Prospect			
	Scholes Tp., Nipissing Dist.	MRC12		202

ODM GENERAL INDEX SEARCH

Words searched:

RIO TINTO MINING CO. OF CANADA LTD.
ROCKSHIELD SYNDICATE
SCHOLES TP.
SKUNK LAKE PROPERTY
SYSTEMATIC EXPLORATIONS LTD.
TAYLOR-CASWELL PROPERTY
TEMAGAMI MINING CO.
TEMEX MINES LTD.
TINTO IRON MINES LTD.
TURTLESHELL LAKE

Index Volume	Listing:	Report Volume	Part	Page
8	North American Rare Metals Ltd. Scholes Tp., Nipissing Dist.	MP56		141
8	Scholes & Clement Tps., Nipissing Dist. Summary of field work, 1973 by H. D. Meyn	MP56		139-143
8	Scholes Tp., Nipissing Dist. Copper/iron Iron	MRC12 MRC11		202 275-278
9	Abex Mines Ltd. Scholes Tp., Nipissing Dist.	GR170		57, 63
9	Cadesky, L. I. Scholes Tp., Nipissing Dist. report on property	GR170		55
9	Cummings Lake Scholes Tp., Nipissing Dist.	GR170		11,12,45
9	Eagle Rock Iron Mines Ltd. Scholes Tp., Nipissing Dist. report on property	GR170		56
9	Eagle Rock Occurrence Scholes Tp., Nipissing Dist. report on property	MDC18		28
9	Emerald Mining Syndicate Scholes Tp., Nipissing Dist.	GR170		63
9	Grainger, J. F. & Millette, R. A. Scholes Tp., Nipissing Dist. report on property	GR170		62-64
9	Gray, J. J. Scholes Tp., Nipissing Dist. report on property	GR170		65
9	Greenrod Lake Scholes Tp., Nipissing Dist.	GR170		38, 63
9	Gull Lake Scholes & Clement Tps., Nipissing Dist.	GR170		38, 68

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Gull Lake Fault Scholes & Clement Tps., Nipissing Dist.	GR170		38
9	Gull Lake Iron Mines Ltd. Scholes Tp., Nipissing Dist. report on property	GR170		57
9	Homestake Expl. Ltd. Scholes Tp., Nipissing Dist. report on property	GR170		57-58
9	New Athona Mines Ltd. Scholes Tp., Nipissing Dist.	GR170		64
9	North American Rare Metals Ltd. Scholes Tp., Nipissing Dist.	GR170		60
9	Rio Tinto Mining Co. of Canada Ltd. Scholes Tp., Nipissing Dist.	GR170		57
9	Scholes, MacBeth, Clement & Afton Tps., Sudbury & Nipissing Dist. Base metals	GR170		58-67
	Geology of the area Report & Maps 2385 & 2386 on, 1977 by H. D. Meyn	GR170		
	Gold	GR170		46-55
	Iron	GR170		55-58
	Sand/gravel	GR170		67-68
	Gold	MDC18		28
9	Skunk Lake Scholes Tp., Nipissing Dist.	GR170		17,45, 60, 65
9	Tinto Iron Mines Ltd. Scholes Tp., Nipissing Dist.	GR170		56

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S.B.	1977	Sudbury-Cobalt Sheet	OGS Map 2361	1" = 4 miles
Meyn, H. D.	1966	Capreol Sheet	OGS Map P.367	1" = 2 miles
	1974	Scholes Township	Map P.929	1" = ¼ mile
		GEOPHYSICAL MAPS		
ODM-GSC	1965	Aeromagnetic Map - Lake Temagami Sheet	1502G	1" = 1 mile
G.H.D. Consultants	?	Aeromagnetic Map - Sudbury Research Project	Map 3	1" = ½ mile
Gupta, V. K., Wadge, D. R.	1980	Bouguer Gravity and Generalized Geological Map, North Bay - Marten River Area	OGS Map P.2297	1:100,000
ODM-GSC	1965	Aeromagnetic Map - Sudbury Sheet	7067G	1" = 4 miles
OGS-GSC	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Sudbury	Map P.1610	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dept. of E.M.R.	1975	Topographic Map - Lake Temagami		1:50,000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map - Capreol N.O.E.G.T. Study 95 Capreol	Map 5001	1:100,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Gordon, J. B.	1977	Gold Deposits of Ontario	OGS Map P.1228	1" = 16 miles
Meyn, H. D., Robertson, J. A.	1975	Iron Deposits of Ontario	OGS Map P.1043	1" = 16 miles
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	OGS Map P.1512	1:250,000
		GEOCHEMICAL MAPS		
		No data as of March 15, 1988		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1982	Scholes Township, Sudbury Data Series	OGS Map P. 2189	1" = ¼ mile
Gordon, J. B. et al	1979	Gold Deposits of Ontario, Part 2	MDC 18	p. 48
Meyn, H. D.	1976	Geology of Afton, Scholes, MacBeth and Clement Townships	OFR 5184	
	1977	Geology of Afton, Scholes, MacBeth and Clement Townships	GR 170 Map 2385	1" = ½ mile
Moore, E. S.	1936	Geology of the Afton-Scholes Area	AR Vol. 45, pt. 6	pp. 38-48
Robertson, J. A. et al	1957	Copper, Nickel, Lead and Zinc Deposits in Ontario	MRC 2	p. 102
Shklanka, R.	1968	Iron Deposits of Ontario	MRC 11	p. 324

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Shklanka, R., cont'd	1969	Copper, Nickel, Lead and Zinc Deposits of Ontario	MRC 12	p. 229
Simony, P. S.	1964	Geology of Northwestern Timagami Area, District of Nipissing	GR 28	
Wilson, W.J.	1905	The Region Between Lake Temagami and Spanish River	GSC Sum. Rept.	pp. 82-84
		JOURNALS, ARTICLES, THESES, TECHNICAL REPORTS		
Boissonneau, A. N.	1968	Glacial History of Northeastern Ontario II. The Timiskaming-Algoma Area	C.J.E.S., Vol. 5	pp. 97-109
Ferguson, S. A.	1942	Banded Iron Formation of the Temagami Area, Ontario; M.A., University of Toronto	MP 2	
Gole, M. J., Klein, C.	1981	Banded Iron Formations Through Much of Precambrian Time	Jour. of Geol., Vol. 89	pp. 169-183
Gross, G. A.	1980	A Classification of Iron Formations Based on Depositional Environments	Canadian Mineralogist, Vol. 18	pp. 215-222
Lindsey, D. A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario, Canada	GSA Bull. 80	pp. 1685-1702
Mossman, D. J., Harron, G. A.	1984	Witwatersrand-Type Paleoplacer Gold in the Huronian Supergroup on Ontario	Precambrian Research, Vol. 11, #1	
Schwerdtner, W. M.	1985	Preliminary Estimates of the Amount of Continuous Horizontal Shortening Across an Archean Greenstone Belt	C.J.E.S., Vol. 22	pp. 506-513
Tagseth, E. A.	1958-59	A Study of Rocks of the Cobalt Series; B.Sc., University of Toronto	MP 2	

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.9

NOTES AND ADDENDA

GDIF FORM NO.10

Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 459

(Map 1 of 2)

SCHOLES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Rachel Lake

Cummings Lake

Gull Lake

Eaglerock Lake

Gull Lake

0°17'

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined

(Map 1 of 2)

SCHOLES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

Rachel Lake

Cummings Lake

Gull Lake

Eaglerock Lake

Turtleshell Lake

80°17'

46°53'30"

EXPLORATION DATA FILE AREAS

- Reference number is always inside work area outlined. See listing in text pages.
- Small area of exploration
- File covers whole township or area

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

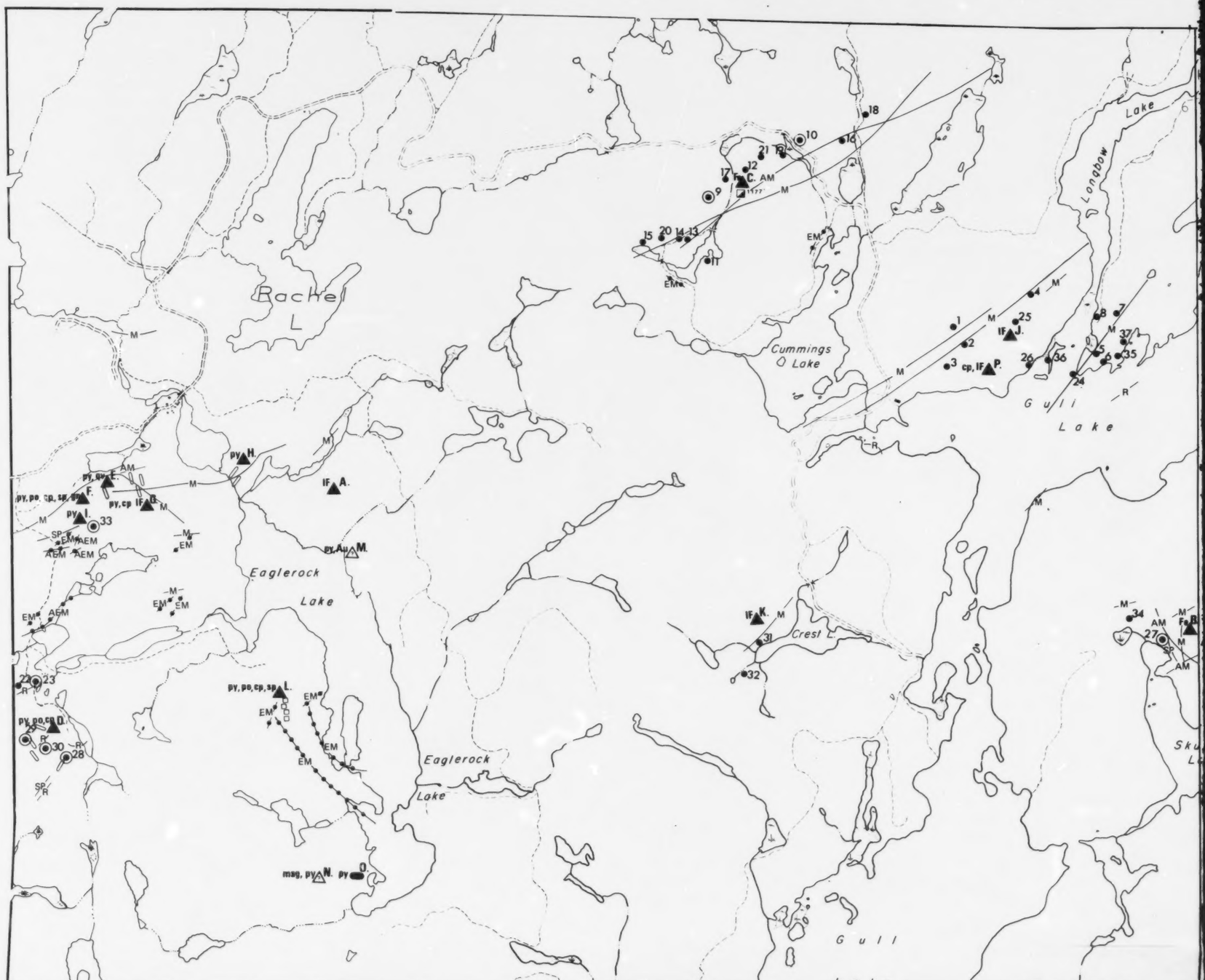
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- Airborne electromagnetic anomaly
- Airborne electromagnetic anomaly
  Conductor axis
- Airborne radiometric anomaly
- Ground magnetic anomaly
- Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM - Crone Em - 16; EM - Undefined)
- Ground radiometric anomaly
- Induced polarization anomaly
- Self potential anomaly
- Audio-frequency magnetic anomaly
  (total intensity)
- Resistivity anomaly
- Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Rock quarry



Ministry of Northern Development and Mines

Ontario

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 459

(Map 2 of 2)

SCHOLES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp ▲ A. — Mineral occurrence at surface, with reference letter
- Au ◪ A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag △ A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp ▬ A. — Mineralized float with reference letter
- △ A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- ● 2 — Location of single drillhole, with reference number
- ◉ 2 — Location of closely spaced group of drillholes, with

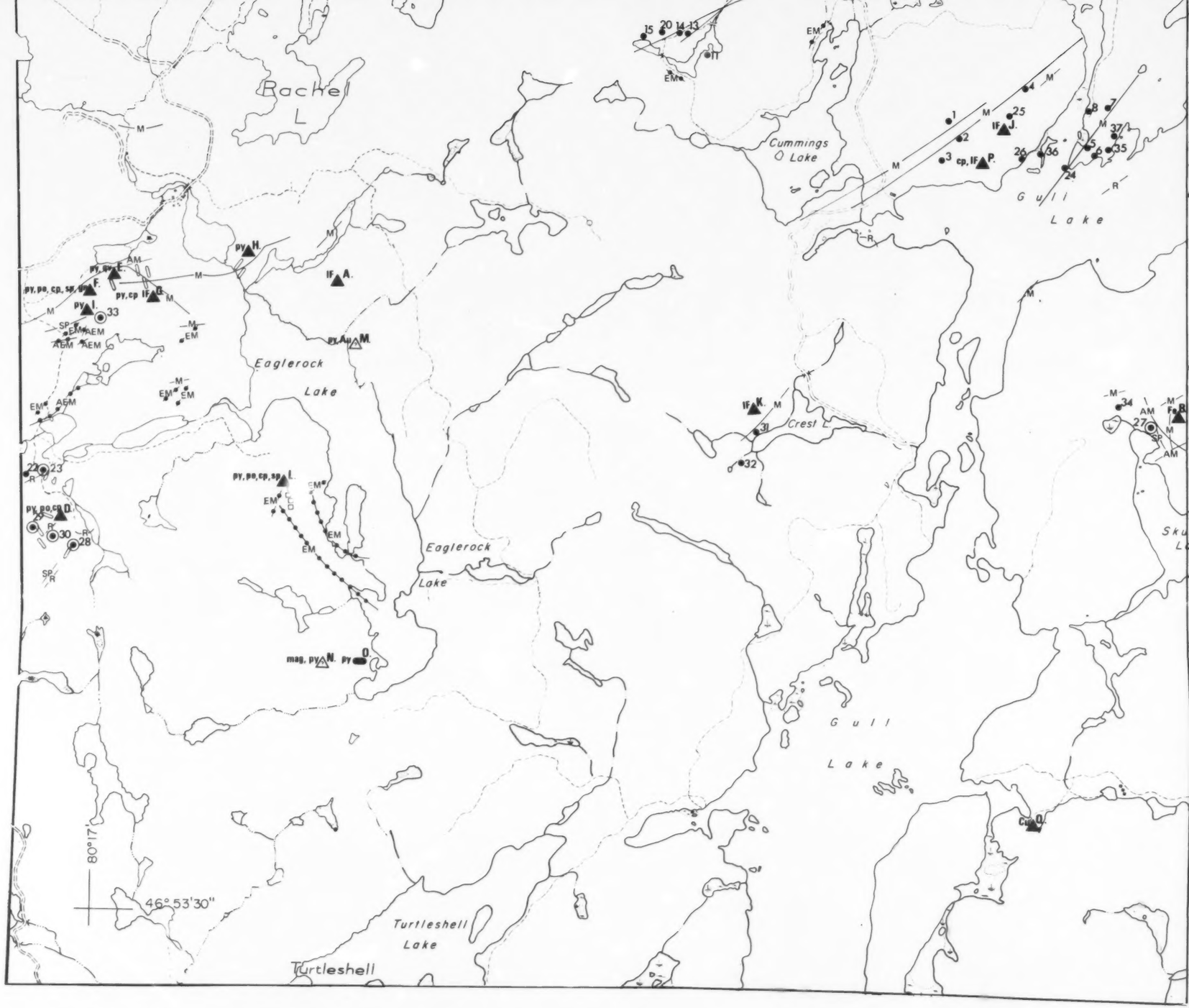
GEOPHYSICAL ANOMALIES

- AM — Airborne magnetic anomaly
- Airborne electromagnetic anomaly
  Length of anomaly along flight line
- AEM — Airborne electromagnetic anomaly
- Airborne electromagnetic anomaly
  Conductor axis
- ARA — Airborne radiometric anomaly
- M — Ground magnetic anomaly
- VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - Horizontal loop
  VLF - Very low freq.; Turam; JEM - Crone Em - 16; EM - Undefined)
- RA — Ground radiometric anomaly
- IP — Induced polarization anomaly
- SP — Self potential anomaly
- AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- R — Resistivity anomaly
- GR — Gravity anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit
- Shaft

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.



EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 459

(Map 2 of 2)

SCHOLES TOWNSHIP

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter
- A. — Mineral occurrence in drillhole, with reference letter, and drillhole number

DRILLHOLES

- 2 — Location of single drillhole, with reference number
- 2 — Location of closely spaced group of drillholes, with reference number
- ?2 — Drillhole, exact location uncertain, with reference number
- Property with underground drillholes in this general area, with reference number
- 2 — Property with drillholes which have not been plotted on map, with reference number
- 2 — Reverse circulation drillhole; churn drilling, with reference number

Rachel L

Cummings Lake

Gull Lake

Eaglerock Lake

Crest L

Gull Lake

Turtleshell Lake

Turtleshell

80°17'

46°53'30"